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| Filing Date | | | | |
| First Named Inventor | LEE, DONG HWAL | | | |
| Art Unit | | | | |
| Examiner Name | | | | |
| Attorney Docket Number | 2017-64 | | | |

| U. S. PATENT DOCUMENTS | | | | | | |
|------------------------|--------------|--|--------------------------------|--|---|--|
| Examiner Initials* | Cite No.1 | Document Number Number-Kind Code ² (# known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | |
| /H.B./ | 01 | ^{US-} 5197019 | 03-23-1993 | Asulab Sa (CH) | | |
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| | | Country Code ³ "Number ⁴ "Kind Code ⁵ (# known) | MM-DD-YYYY | | Or Relevant Figures Appear | Ţ |
| /H B / | 02 | JP 08-094740 | 04-12-1996 | Koyo Seiko Co., | | |
| /H.B./ | 03 | JP 06-148316 | 05-27-1994 | Fuji Electr | | |
| /H.B. | /04 | KR 100152725 | 06-30-1998 | Hyundai Elec | | L |
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| Examiner Signature | /Helene Bor/ | Date Considered | 06/17/2007 |
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